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CERTIFICATION

This is to certify that we have the final accounting for grants made to MEMERA Sub-Project 70. The accounting is being retained in TED where it may be reviewed by the Certibring Officer upon request.

I further certify that satisfactory services have been received and that to the best of my knowledge the funds advanced for such services were expended for the purpose subborized by the project approval.

Chief Scientist, TH

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CERTIFICATION

This is to certify that we have the final accounting for grants made to MCHETKA Sub-Project 70. The accounting is being retained in EED where it may be reviewed by the Cartibying Officer upon request.

I further certify that satisfactory services have been received and that to the best of my knowledge the funds advanced for such services were expended for the purpose authorized by the project approval.

Chief Scientist, ToD

urred for official purposes of a confidential mature. Thet payment or cardit character, has not been received, and the total confidential to the 1,22.00 1.422.00 1,422,00 listed hereon or AMOUNT CREGIT 71.80 AMOUNT PRINCY ORREO 9 Cortify that the expanditures See Attached Certification 7. OUTSTANDING ADVANCES ENO OF PERIOD (Attach Heting) B. CASH ON HAND END OF PERIOD OR BALANCE DUE ADVANCEE PEBIT DESCRIPTION SIGNATURE OF PAYEE CHECK TOTAL ACCOUNTED FOR TOTAL EXPENSES 67.70 OBJECT CLASS 86.70 DOLE FOTALS CABM OFFICE OF FINANCE ACCOUNT SYMBOL 30 Rovember 1961 STOREX COTATES DC/ED SIGNATURE OF CERTIFYING OFFICER SIGNATURE DF APPROVING OFFICER 55-66 6. REFUNDED HEREWITH DATE CERTIFIED FOR PAYMENT OR CREDIT PERIOD OF ACCOUNTING MCILTRA Sub-Preject 70 š APPROVED . SPACE BELOW FOR EXCLUSIVE USE 51.54 3,122.00 1,122.00 2 5 SUONT & : CODE SUBMITTED BY DATE U08W ROM CODE DESCRIPTION 34.39 25 770185 000070 MDR-8114 OF AUTHORIZING OFFICER OUTSTANDING ADVANCES BEGINNING OF PERIOD 1 I CERTIFY FUNDS ARE AVAILABLE HIP. 80C. 80. TOTAL TO ACCOUNT FOR ACCOUNTING BY INDIVIDUAL FOR ADVANCE ACCOUNTS 13-35 Follow Instructions on Reverse CHARGE FAN ACCOUNT NO CASH ON HAND BEGINNING OF PERIOD 760.0 IV. BUCK VOUS NOVANCE ACCOUNTS 13-27 SIGNATURE OESCRIPTION- ALL OTHER 3. RECEIPTS THIS PERIOD: OATE OESCRIPTION DLIG.REF. NO. NUMBER 282 á VOTE: ...

IDATE - VOUCHER NO. 2-12

11 June 1964

MEMORANDUM POR : THE RECORD

SUBJECT

: MULTRA Subprojects 70, 91, 94 and 135

Since the completion of the suit of Project MULTA for the period
1 Amount 1960 through 11 January 1963, accountings have been received
from January 1963, accountings have been received
is part of the \$1.53,117.93 balance to be accounted for by the secont
is part of the \$1.53,117.93 balance to be accounted for by the secont

Approject 70 incurred direct costs of \$2,518.34 and \$27,872.16 transferred from Subproject \$4, for a total of \$30,300.50. Subproject \$4, for a total of \$30,300.50. Subproject \$4, incurred expanses of \$71,324.67, but transferred \$4,165.71 to Subproject \$1 and \$27,872.16 to Subproject 70, leaving a net cost of \$39,207.00. It was decided to direct the finals for Subproject 135 to Subproject \$1, therefore these costs were included in the accounting from Subproject \$1.

nessuch as: 1) all four of the subprojects had the same basic research goal in sind, 2) the great length of time that has elapsed since the grants were used, and 3) the difficulty in getting accountings of any sort from the grantes, it is recommended that we facilitate this natter by accounting for the balances as shown in the Confidential Yunds Division 760 account for these subprojects.

The above has been concurred in by and and of the Audit

Chief Scientist, TD

30,390,50 30,390,50 ditures lietad hereon and CREGIT on any attachments were incurred for official power power of a confidential neutral, that payers of all official neutral is that payers of official for hear not been precised, and this accounting is true and correct. VOUCHER NO. (Finence use only) 71.80 AMOUNT MOREY ORDER See Attached Certification : TOTAL EXPENSES CHECK DESCRIPTION VOUCHER NO. 7-12 OATE DISBURSEMENTS SIGNATURE OF PAYER CLASS TOTALS TOTAL ACCOUNTED FOR ALLOT OR COST ACCT. NO. S. CASH ON HAND END OF PERIOD SPACE BELOW FOR EXCLUSIVE USE OF FINANCE DIVISION 30 Royeather 1961 SIGNATURE OF CERTIFYING OFFICER SICHATURE OF APPROVING OFFICER SIDEL COTILES, DC/TSD 4. REFUNDED HEREWITH CERTIFIED FOR PAYMENT OR CREDIT OATE SENERAL LEOGER YR ACCT. NO PERIOD, OF ACCOUNTING 3. VOUCHER MODITURA Sub 70 APPROVED 30,390,50 130,590,50 reor Joseph 1960 . COOE REVIEWED BY SUBMITTED BY DATE 7/A NO. PROP. 40. PROJECT NO. SIGNATURE OF AUTHORIZING OFFICER DESCRIPTION KL25-1009-1922 DBLIGATION REFERENCE NO. CHARGE ALLOTMENT NO. 8. MULTRA Advance RECEIPTS I CERTIFY FUNDS ARE AVAILABLE TOTAL TO ACCOUNT FOR ACCOUNTS 13.33 ACCOUNTING BY INDIVIDUAL FOR ADVANCE Pailow Instructions on Reverse CASH ON HAND BEGINNING OF PERIOD Invotes. PREVIOUS ROITIONS DESCRIPTION - ADVANCE ACCOUNTS 13.27 DESCRIPTION . ALL OTHER 3 Nov JUN 1964 38 OAYE 200 ಕ PARED BY 2. RECEIPT 282 6 WOTE, FORM ΥŢ ė,

70-9



RESEARCH ON SLEEP AND UNCONSCIOUSNESS (PROJECT 520 W) October 1, 1960 To November 30, 1961

Grant Income

\$ 30,390.50

Costs - October 1, 1960 To November 30, 1961

Salaries \$ 1,580.25

Payroll Taxes and Insurance 61.77

Laboratory Supplies and Expense 409.47
2,050.59

Allocation of G and A Expense . 467.75 __2,518.34

27,872.1

Transfer of Costs from Project 510 W (94) 27,872.1

ansfer of Costs from Project 510 W (97) 27,872.

-B

counties which committee the article base by

Date: 3/12/64

....

3 November 1960

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

AIA

1 TSD/Budget Officer

SUBJECT

| MAULITRA, Subproject No. 70 Invoice No. 4, Allotment 1125-1009-1902

1. Invoice No. 4 in the amount of \$33,028.12 covering the above subproject is attached. However due to refunds of \$1,422.00 from other projects (as per attachments) payment should be made as follows:

Cashiér's check in the amount of \$30,390.50 drawn on a few and payable to

Cashier's check in the amount of \$1215.62, drawn on an and the state of the payable to -AND AND DESCRIPTION OF THE PROPERTY OF THE PARTY OF THE P

2. Please forward the checks to Chief, TSD/Research Branch, through ISD/Budget Officer, no later than Thursday, 17 November 1960.

3. This is a final invoice. However, since it is anticipated that additional funds will be obligated for this project, the files should not be closed.

> Chief MD/Research Branch

Attachments: Invoice & Certifications

Distribution: Orig & 2 - Addressee

1 - TSD/FASS

(3) It is hereby certified that the program under Subproject 72 has been satisfactorily completed and returned unused funds. However, Subproject 70, which is still continuing also refunded money which was left over at cutout from previous grant. Therefore, it is requested that the amounts as shown below on Invoice No. 4 of Subproject 70 be credited to the subprojects as shown below.

Project	Amount	MOR	Allotment
\$ 72	\$972.00	2768	7-2502-10-001
\$70	450.00	571	0525-1009-4902

Chief, TSD/Research Branch

Date:

A

Research Director

nata:

THYOTOR

For Services

\$31,606.12

Military Control

CERTIFICATIONS

(1) It is hereby certified that this is Invoice No. & applying to Subproject 70 of MKULTRA, that performance is satisfactory, that services are being accomplished in accordance with mutual agreements, that a detailed agends of the payments and receipts is filed in TED/KB, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSD/Research Branch

(2) It is hereby certified that this invoice applies to Subproject 70 under MULITRA which was duly approved and that the project is being carried out in accordance with the memoradum dated 13 April. 1953 from the DOI to the DO/A, and the extension of this authority

Rosearch Director

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in subsequent memoranda.

2



(3) It is hereby certified that the program under Subproject 72 has been satisfactorily completed and returned unused funds. However, Subproject 70, which is still continuing also refunded accey which was left over at cutout from previous grant. Therefore, it is requested that the amounts as shown below on Invoice No. & of Subproject 70 be credited to the subprojects as shown below.

Project	Amount MOR	Allotment
# 72	\$972.00 2768	7-2502-10-001
#70	450.00 571	0525+1009-4902
· :	1.428.00)	

	Chief, TSD/Research Branch	
ate:	 -	
	Rosearch Director	
Date:		,

70-12

TO: TSS/OC

ı.	Date	of	Obligation:	

 Purpose of Project: To conduct research to define mechanisms involved in production of involuntary sleep, and related unconscious states.

3. Progress to Date: Satisfactory

4. Expiration Date: 31 September 1961

5. Project Monitor:

FROM: TSS/XX RB

Room XXXX West Outbuilding, Ext. XXX

Sallow T

14 October 1960

MEMORANDUM FOR: THE RECORD

SUBJECT : MKULTRA, Sub

: MKULTRA, Subproject No. 70

- The purpose of this subproject is to provide funds for continuation of research on the "K" (unconsciousness producing) problem.
- 2. There exists within the Agency a continuing requirement for highly potent, quick-acting substances that will render an individual helpless and immobile, preferably in an unconscious state. It is anticipated that this program will provide fundamental information needed for solution of this problem. The scope of this research program is intended to cover investigations on the mechanisms in which certain drugs induce anesthesia or narcosis, elucidate the basic mechanisms of action involved and uncover and evaluate materials which have value because of their potency, physical characteristics, and biological activity.
- While information and materials available to date are inadequate to satisfy Agency requirements, there are model compounds which, because of their potency, biological activity, or

Downgraded to: GONFORMIAL by authority of: date: June 1977

TOP SECRE

chemical characteristics, permit a prediction that an adequate research program stands a good chance of developing an understanding of the mechanisms and should result in the development of a material suitable for operational use,

as cut out and cover for this subproject. The necessary research and development will be conducted through who will submit to the mary accounting of funds received from the foundation and will return any unused funds remaining at the conclusion of the program.

The estimated cost of the work for a period of one year is \$31,812.50.

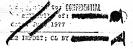
To this sum must be added a four per cent service charge for the amounting to \$1,272.48, making the total cost of this program \$33,084,98.

5. Total cost of the project for one year will not exceed \$33,084.98. Charges should be made against Allotment No. 1525-1009-1902.

- It is not anticipated that any permanent equipment will be required for this program.
- 7. Documentation and accounting for travel expenses which are reimbursable by will conform to the ac-

Domoro od ty: GOMFIDENTIAL by authorit of: daty Juny 1977 EVIMPORT; CL BY

TOP SECRE



cepted practices of that organization.

- 8. The requirement for a semi-annual informal accounting on the part of the investigator is waived.
 - 9. All personnel connected with the planning and monitoring of results of this program possess TOP SECRET approval. The project is unclassified after it leaves the



TSD/Research Branch

APF	ROV	ED FO	ROBLIC	MILLA
OF	FUNI	os:		
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Research Director

Attachment: Proposed Budget

Distribution: Original only



RESEARCH PROPOSAL

It is proposed to continue basic research on sleep
and unconsciousness along the lines laid down by the Sponsor
and his technical consultants. The principal investigator vill
exert his best efforts in conducting research to define the
mechanisms underlying production of involuntary sleep and to
differentiate the mechanisms involved in the production of this
form of unconsciousness from other states of unconsciousness or
related behavior: Because of the generally poor state of knowledge
in this area of work and furthermore, because of the peculiar
requirements of the Sponsor as distinguished from the usual medical
requirements, it is understood that the major framework of the research
design for this work will be provided by the Sponsor.

Reports will be rendered on progress of such studies and investigations as significant advances are accomplished.







ESTIMATED BUDGET

SALARIES:

Bio-Chemist		10,000.00		
Pharmacologist		7,500.00		
Animal Caretaker		1, 000,00		
OASI State-Unemployment I	ns.	1,850.00	*	
Supplies and Expendable M	aterials	2,000.00		
Animals and Feed	- n= -u. i	2,000.00		
Reproduction services		600.00		
Travel	-	500.00		
Sul	o-total \$	25,450.00		
Overhead (25% of total		6,362.50		
	TOTAL \$	31, 812, 50		



Grant for: Neurophysiological Effects of Sedative Agents

Financial Statement June 1, 1958 to July 1, 1959

Funds received

25,422.00

Expenditures:

19,800.00 Wages & salaries 1,543.86 Equipment 1,048.61 Supplies 3,134.94 Overhead

Total expenditures :

25,527.41

Balance July 1,1959 (Deficit)

105.41)



July 2, 1959

I have examined and approved the numerithed . expenditures.



solo: 19/2/59

70-19 #- 20

B

Grant for: Research on Sleep and Unconsciousness

Amount of Grant - - - - \$30,900.00

Evmenditures

Salaries and Wages	\$12,824.60
Materials and Supplies	9,212.97
Travel	753.92
Services	3,265.94
Social Sec., Ins, etc.	1,636.42
Charlesd	3.206.15

30,900.00

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30,900.00

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Accountant

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SECRET

(When Filled In)

No. ____ 814

Cost Account _1185- 189-1902

Object Class _____

Date	• Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
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(When Filled In)

14 October 1960

MEMORANDUM FOR: COMPTROLLER

ATTENTION

Finance Division

SUBJECT

MKULTRA, Subproject No. 70
Additional Authorization No. 3

Under the anihority granted in the memorandum dated

13 April 1953 from the DCI to the DD/A, and the extension of
this authority in subsequent memoranda, Subproject 70 has
been approved and \$33,084,98 of the over-all MKULTRA project funds has been obligated to cover the subproject expenses.

This obligation of funds should be charged to Allotment 15251009-1902.

Chief | TSD/Research Branch

APPROVED FOR ODLIGATION OF FUNDS:

Chotas and Laura va water in

200	
 Research Director	

. . .

Distribution

Orig. & 2 - Addresses

1 - TSD/OC

2 - TSD/FASS

TSD/RB/3 (14 Oct. 160)

SECRET

Crossing.

27 January 1960

MEMORANDUM FOR: THE RECORD

SUBJECT

: Action on MKULTRA Audit Exceptions - TSS/CD

SP#70

The \$450.00 balance, expenditure of which was unaccounted for in this folder, is being held in the

account and will be returned.

Chief______TSS/Chemical Division

18 July 1960

Recent technical developments and the continuing availability of adequate research facilities, along with the increased pressure on the production of a practical end product related to this project, indicate that there will be a continuing and probably increased effort in this area. In view of this, it has been decided that the funds mentioned above will be retained for use in connection with the next re-financing of this project, rather than being carried over to some other subproject by the usual procedure. This project will, as presently scheduled, be refinanced on a continuing basis in October 1950.



TSD/Research Branch

SECRETA



30 October 1959

MEMORANDUM FOR: THE RECORD

CHRICT

: MKULTRA No. 70

The following endorsed and cancelled checks (photostat copies) issued by the applicable to MKULTRA No. 70. They are for salary expenditures on this subproject and are held in lieu of formal receipts which were not requested. The applicable to MKULTRA No. 70. They are for salary expenditures on this subproject and are held in lieu of formal receipts which were not requested. The applicable of the salary checks which endorsed, cashed, or deposited constitute acknowledgment of payment,

1957 \$1500
1957 \$1500
1958 \$1500
1958 \$1500

tal \$6000



TSS/Chemical Division

Distribution: Orig only.

September 30, 1959



Gentlemen:

We are pleased to be able to transmit to you the following funds:

Cashier's Check No. A80635 drawn on the for \$30,900.00.

Tressurer's Check No. 242235 drawn on Applications of the Company of the St. 236.00,

These funds represent a contribution for the use of your directors in carrying out the very worthwhile research goals of your organization.

Yours, truly,

Encl.

70-18

Cost Account ______ 0525 . 1809 . 4902

Object Class

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
25,555 25,555	Sub. 10 30,900	32136.00		39136.00
29 1959	Su. 3 1,236		33,36.0	
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23 September 1959

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

AIA:

: TSS/Budget Officer

SUBJECT

: MKULTRA, Subproject 70, Invoice #3
Allotment 0525-1009-4902

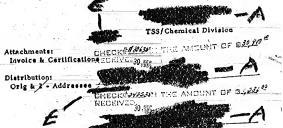
1. Invoice #3 covering the above subproject is attached.
Payment should be made as follows:

Cashler's check in the amount of \$30,900.00, drawn on a 2000 payable to

Cashier's check in the amount of \$1,236,00, drawn on a company payable to an angle of the payable to a payabl

 Please forward the checks to Chief, TSS/Chemical Division, through TSS/Budget Officer, so later than Wednesday.
 October 1959.

3. This is a final invoice. However, since it is anticipated that additional funds will be obligated for this project, the files should not be closed.



10-49) CREBIT 71-80 AMOUNT CERTIFIED FOR PAYMENT OR CREDIT 22.2017 1111 SIGNATURE OF CERTIFYING YOUCHER NO. 7-12 DATE DATE TOTALS \$2.67 CR. NO. ALLOT. OR COST ACCT. NO. CONFIDENTIAL FUNDS POSTING VOUCHER DATE REVIEWED 0ATE 2-6 AO-AZ EXPEND CODE DATE DESCRIPTION-ALL OTHER ACCOUNTS 13-33 8-59 606 ust PREVIOUS EDITIONS ADVANCE ACCOUNTS 19-27 ENTRY FOUCHER NO. 7-12 8 EXPLANATION.

61-06

₹.

(When Filled In)

:

70-1

INVOICE

For Services

\$32,136.00



CERTIFICATIONS

(1) It is hereby certified that this is Invoice #3 applying to Subproject 70 of MKULTRA, that performance is satisfactory, that services are being accomplished in accordance with mutual agreements, that a detailed agends of the payments and receipts is filled in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSS/Chemical Division

) It is hereby certified that this invoice applies to Subproject	70
der MKULTRA which was duly approved and that the project i	S
sing carried out in accordance with the memorandum dated April 1953 from the DCI to the DD/A, and the extension of thi	8
uthority in subsequent memoranda.	

Research Director

Date:

- CANONICA CONTRACTOR

DRAFT 18 September 1959

MEMORANDUM FOR: THE RECORD

SUBJECT

: MKULTRA, Subproject 70

- The purpose of this subproject is to provide funds for a continuation of research on the "K" (knock-out) problem.
- 2. There exists within the Agency a continuing requirement for highly potent, quick-acting substances that will render an individual helpless and immobile, preferably in an unconscious state. It is anticipated that this program will provide fundamental information needed for solution of this problem. The scope of this research program is intended to cover investigations on the manner in which certain drugs induce anesthesia or narcosis, elucidate the mechanism of action of such compounds and uncover and evaluate materials which have potential value because of their potency, physical characteristics, and biological activity.
- 3. While information and materials available to date are inadequate to satisfy Agency requirements, there are model compounds which, because of their potency, biological activity, or chemical characteristics, permit a prediction that an adequate research program stands a good chance of developing a material suitable for operational use.
 - 4. The will serve a

Domining to: QUEDENIAL
by authority of:
date: June 1977

Lindensian

cost of this program \$32, 136.00.

70-20

-2-

cut out and cover for this subproject. The necessary research and development will be conducted by who will submit to the a summary accounting of funds received from the foundation and will return any unused funds remaining at the conclusion of the program. The estimated cost of the work for a period of one year is \$30,900.00. To this sum must be added a four per cent service charge for the amounting to \$1,236.00 making the total

- 5. Total cost of the project for one year will not exceed
 \$32,136.00. Charges should be made against Allotment No. 05251009-4902.
- It is not anticipated that any permanent equipment will be required for this program.
- 7. Documentation and accounting for travel expenses which are reimbursable by will conform to the accepted practices of that organisation.
- The requirement for a semi-annual informal accounting on the part of the principal investigator is waived.

Downgra ed to CONFIDENTIAL by cutiority of: Cate: June 1977

APPROVED FOR OBLIGATION OF FUNDS:

APPROVED:

and the second	
Research Director	Chief
te: 9/21/59	TSS/Chemical Division
tachment: Proposed Budget	

Distribution:
Original only

Downsynded to: CONFIGENTIAL by exther ty of:

participant comment

10/20

PROPOSED BUDGET

Salaries	\$22,500.00
Overhead (20% of salaries)	4,500.00
Supplies and materials	2,400.00
Services	1,000.00
Travel	500.00
	\$30.900.00

SECTION

-18 September 1959

MEMORANDUM FOR: COMPTROLLER

ATTENTION : Finance Division

SUBJECT , MKULTRA, Subproject 70 , lidlition

authorization # 2

Under the authority granted in the memorandum dated

13 April 1953 from the DCI to the DD/A, and the extension of

this authority is subsequent memorands. Subproject 70 has

been approved and \$32,136.00 of the ever-all MKULTRA project

funds has been obligated to cover the subproject expenses. This

obligation of funds should be charged to Allotment 0525-1009-4902.



APPROVED FOR OBLIGATION

of Funds

Research Director

Dates

Distribution:

Orig & 2 - Addresses

1 - TSS/OC

1 - TSS/FASB

Z - TSS/CD

TSS/CD/ (18Sept'59

OFFICE OF CONTROLLER

Financial Statement July 1, 1957 to June 30, 1958:

Funds received

Expenditures:

\$10,164.54 Salaries

2,731.19 Animal Houses 567.88 General Supplies

85.00 Travel and Honorarium

1;890.00 Overhead

15,438.61 Total Expenditures

Balance June 30, 1958 (Deficit)

June 23, 1959

Assistant Controller

I have examined and approved the submitted expenditures.



TSS/Chemical Division

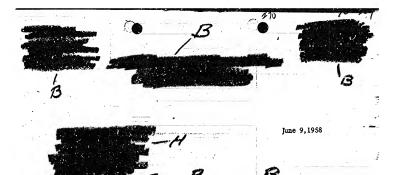
MEMORANDUM FOR THE RECORD

SUBJECT: Request for Authorization of Change, MKULTRA #70

1. Authorization to use outside laboratory facility requested by letter 9 June 1958 from

2. Verbal authorization granted (by telephone) 12 June 1958.





In view of the fact in the first part of the coming year, and the resultant limitation of space and curtailment of activities, it is requested that authorization be given by you to the Foundation to have the second year of research activities on the part of be placed in an outside laboratory facility.

A letter from requesting the change is attached hereto for your perusal. There are no objections on the part of the Foundation to the change.

Kindly notify us at your earliest convenience of your decision.

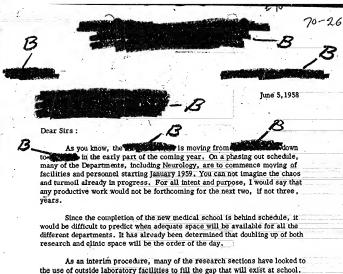




: Authorization for Facility Change, MKULTRA #70

1. By letter dated 5 June 1958 from request was made for permission to use outside facilities to continue second year of research.

2. Verbal authorization for requested change in facility was granted 9 June 1958.



As an interim procedure, many of the research sections have looked to the use of outside laboratory facilities to fill the gap that will exist at school. The University recognizes the urgent need and necessity of outside facilities and will authorize the use of same.

In order to conduct my activities in a smooth and orderly fashion, I would like permission to place my second year of research in an outside laboratory facility, namely, the laboratory facility, namely, the Dean of the Medical School show no objections on his part to the use of the facility.

If the relocation of the research project is acceptable, please notify me at the earliest opportunity. Your support has been greatly appreciated,

Yours truly,

Associate Clinical Professor



Gentlemen:

We are pleased to be able to transmit to you the following funds:

Check #78 12465 drawn on for \$25,422.00

Check #78 12465 drawn on for \$945,22.

These funds represent a contribution for the use of your directors in carrying out the very worthwhile research goals of your organisation.

Yours truly

Encl.

13 May 1958

MINCRAHIUM PORT CRIEF, FINANCE DIVISION

YIA.

1 TES/Budget Officer

: MINITA, Subproject 70, Invoice #2 Allotment 7-2502-10-001

1. Invoice No. 2 covering the above subproject is attached. Payment should be made as follows:

> Cashier's check in the smount of \$25,422.00 dress on a speciment of the state of the sta

Cashier's check in the amount of \$945.24. drawn on a

2. Please forward the checks to Chief, TSS/Chemical Division, through TSS/Budget Officer, no later then Wednesday, 28 May 1958.

3. This invoice represents the total amount currently authorised under Subproject 70. However, since it is anticipated that additional funds will be obligated for this project, the files should not be closed.

TES/Chemical Division

Attachaenter

Invoice and Certifications

Distributions Orig & 2 - Addressee

/1 - TSS/FASB 2 - TSS/CD

CEPTERY THAT FUNDS ASS AVAILABLE

MOTOR

For services

\$26,367.24

B

CERTIFICATIONS

(1) It is bereby certified that this is Invoice #2 applying to Subproject #70 of MULUTA, that performance is satisfactory, that services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in 185/CD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSS/Chemical Division

Date

(2) It is hereby certified that this invoice applies to Subproject ₹70 of MSULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DII to the DDA, and the extension of this authority in subsequent memoranda.

Research Director

DATES

- DATE -

28 August 1957

Gentlemen:

We are pleased to be able to transmit to you the

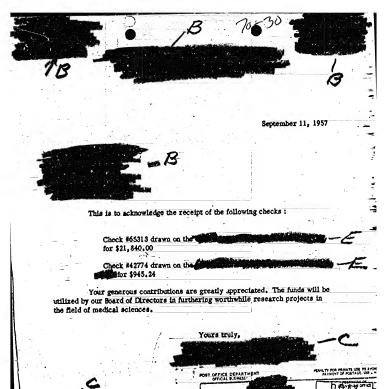
following funds:

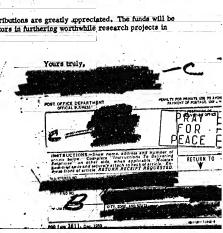
Check #65313 drawn on the for \$21,840.00 25, 422.00

Check \$42774 drawn on the for \$945.24

These funds represent a contribution for the use of your directors in carrying out the very worthwhile research goals of your organization.

Yours truly,





SEGRET

2 August 1957

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA

TSS/Budget Officer

MKULTRA, Sabproject 70, Invoice #1

SUBJECT

Allotment 7-2502-10-001

1. Invoice fl covering the above subproject is attached.

Other invoices will follow. It is requested that payment be made
as follows:

Cashier's check in the amount of \$21,840.00 drawn on a heart payable to

Cashier's check in the amount of \$945. 24 drawn

2. The check should be forwarded to Chief, TSS/Chemical Division, through TSS/Budget Officer, no later than Friday, 459,3 16 August 1957.

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ttachments: Invoice and Certifications

Distribution: Orig & 2 - Addresses

1 - Comptroller

Z - TSS/FASB

SEGRET

HIC

Acting Chief

TSS/Chemical Division

INVOICE

For services

\$22.785.24



CERTIFICATIONS

(1) It is hereby certified that this is Invoice #1 applying to Subproject #70 of MKULTRA, that performance is satisfactory, that services are being accomplished in accordance with mutual agreements, that detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Acting Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to Subproject \$70 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:



4 June 1957

MEMORANDUM FOR: THE RECORD

SUBJECT:

Assignment of One IBM Electric Typewriter to MKULTRA Subproject 70

- 1. One IBM electric typewriter, No. 151957 (reclaimed from MKULTRA Subproject 57 upon its termination on 31 May 1957) has been assigned for use to MKULTRA Subproject No. 70.
- Receipt is hereby acknowledged of one typewriter (IBM Electric) No. 151957 on I June 1957. The typewriter will be physically located in the

Branch II
TSS/Chemical Division

Distribution: Orig & 2 - TSS/CD

TSS/CD: (4 June 1957)

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1 May 1957

MEMORANDUM FOR: THE COMPTROLLER

ATTENTION:

Finance Division

SUBJECT

MKULTRA Subproject 70

Under the authority granted in the Memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memorands, Subpreject 70 has been approved, and \$49, 152, 48 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to Allotment 7-2502-10-001.

> SIDNEY GOTTLIEB Chief TSS/Chemical Division

APPROVED FOR OBLIGATION OF PUNDS:

Date:

Distributions Orig & 2 - Addresse

Besearch Director

1 - TSS/OC CITSS/FASB

1 - TSS/SRB 2 - TSS/CD

(1 May 1957) 4 LUNE!

MEMORANDUM FOR: THE RECORD

SUBJECT:

MKULTRA Subproject 70

l. The purpose of Subproject 70 is to Initiate research work on the "K" (Knockout) Problem at the

- 2. The scope of the research program is outlined in the attender research proposal. There exists within the Agency a continuing requirement from the Operating Divisions for a substance or substances that will render an individual or animal helpless and immobile, either consciously or unconsciously, until definite control measures can be instituted. It is envisioned that this program will supply some of the answers so sorely needed.
- 3. It is expected that will monitor and direct and actively participate in this project as principal investigator from the where arrangements have been made for his appointment
- 4. In view of the magnitude and scope of the project, it is felt that a two-year period is required for realization of some answers to this intricate and complex problem. Therefore, a two-year research proposal is attached. The cost of this program is estimated at \$21,840.00 for the first year; \$25,422.00 for the second year; for a total of \$47,262.00. To this sum must be added \$1,890.48 representing a four percent service charge to the second years \$49,152,48.

 The Foundation will function as cutout and cover for this grant. The

cover title of the project is a cover title of the project is

5. The total cost of the project for a period of two years will not exceed \$49,152.48. Charges should be made against Allotment 7-2502-10-001.

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- 6. The Foundation has requested the University to submit a summary accounting of monies received and to return any unexpended grant funds at the end of the project year.
- Title to any permanent equipment purchased by funds granted the University shall be retained by them in lieu of higher overhead rates.
- It was mutually agreed that documentation and accounting for travel expenses which are reimbursable by the University shall conform with the accepted practices of that institution.
- 9. The requirement for a six months' informal accounting on the part of the principal investigator is waived.
- 10. science is cleared through TOP SECRET and is aware of the true purposes of the program. Also, he has agreed to comply with the requirements of the Memorandum of Agreement.

Chief, Branch II

TSS/Chemical Division

APPROVED FOR OBLIGATION
OF FUNDS:

Approved:

Research Director.

Chief, TSS/Chemical Division

Date: Vis

Attached: Research proposal

Distribution:
Original only

Distribution to COMPONING
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Ce: June 377

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THE "K" PROBLEM

There exists within the Agency a continuing requirement from the Operating Divisions for a substance or substances that will render an individual or animal helpless and immobile, either consciously or unconsciously, until definite control measures can be instituted. The instances and situations where such an advantage can be utilized are too numerous to be mentioned. Within TSS/CD this problem has been designated the "K" (Knockout) Problem.

From various sources (acientific literature, TSS/CD projects, etc.) numerous bits of disjointed information have been accumulated in this area. Many provocative suggestions were raised that warrant further investigation. To date, there are no active projects or individuals specifically established by TSS/CD for the investigation of this problem. Therefore, this project was designed for the purposes of centralizing all efforts in this field, consolidating the existing data, and intitating active research on some of the many existing provocative suggestions.

The project will be established within the

Initially, the research activity will be

divided as follows:

I. The Experimental Evaluation of Sedative Agents

A. Tick Paralysis

Certain species of ticks (genus Dermacentor) have been incriminated in a clinical syndrome commonly referred to as "tick paralysis". This syndrome occurs in both man and animals. It results from a tick bite, and is characterized by ascending flacoid faralysis of the musculature. Removal of the tick is usually followed by complete and rapid spontaneous recovery. The etiology of tick paralysis remains obscure. The disease is believed to result from the inoculation of some unidentified tick-generated, toxic substance which appears to be neurotropic.

As a by-product of Project Naomi, a sizeable amount of this neurotropic toxic substance is being isolated. The development and experimental evaluation of this substance as a sedative agent will be carried out within the scope of this "K" Problem project.

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70-35

E2 IMPDET; CL BY B. Narcotic Effect of Fatty Acids

As a result of preliminary investigations carried out within MKULTRA Subproject 57 (terminated 31 May 1957), it was found that the parenteral administration of fatty acids-induced a state of unconsciousness in small animals which when examined by electroencephalogram techniques turned out to be similar to ordinary sleep. The length of narcosis varied with the dose of the fatty acid administered. Of extreme interest is the fact that fatty acids, unlike other narcotic agents, are normal constituents of the diet and body tissues.

Investigation will be carried out on:

- 1. Mechanism of fatty acid narcosis,
- Effective modes of administration other than parenteral is. oral, respiratory.
- Additional fatty acids short or long chain, saturated and unsaturated.
- C. Assay of New Sedative Agents

The methods usually employed for the assay of sedative drugs are not specifically directed toward the evaluation of sedative activity although all methods utilize one or another of the characteristics of "sleep" as the criterion of effect. In the absence of a pharmacological definition of sleep, evaluation of sedative action has been conducted at different levels of this state, ranging from sleep itself to hypnosis, and even to general anesthesia. It is apparent that the criteria or endpoints employed in such evaluations have either overshot the target of sedation or have not bracketed it adequately. This then leads to a state of general confusion in the evaluation of the newer sedative agents

To utilize effectively the sedative agents available, both tested and untested, requires the development of a systematic method of testing and systematic method of characterizing the drug, both in terms of the symptomatology produced and in terms of describing potency in producing given effects by means of standardized and valid statistical procedures. An objective report will be designed that will attempt to standardize the reporting procedure for all TSS/CD research

Downgraded to: CBNIDERHAL by authority of: date: June 1977

II. Incapacitating Agents

As a result of animal testing procedures, a number of centrally acting skeletal muscle relaxants have been found. Several are or have been evaluated clinically in man with varying results. Occasionally, clinical reports appear claiming that certain pharmacological agents that have minimal muscle relaxant effects in some experimental animal preparations produce dramatic relief of spasticity in man. Clinical impressions are the usual criteria of effectiveness.

There exists within the

the opportunity for clinical evaluations of
some centrally acting skeletal muscle relaxants on the therapeutic
relief of spasticity in man.

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BUDGET

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First year

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Neurophysiologist (M.D.)	6,000.00
Research associate (Ph. D.)	4,000.00
Lab technician	3,000.00
Lab assistant and secretary	3,000.00
Equipment, apparatus	2,500.00
Supplies, expendables	1,000.00
	\$19,500.00
University overhead (14%)	2,340.00
	\$21,840.00
Second year Neurophysiologist (M.D.)	7,000.00
Research associate (Ph.D.)	4,500.00
Lab technician	3,300.00
Lab assistant and secretary	3, 200.00
Equipment, apparatus, etc.	1,500.00
Supplies, expendables, animals	1,000.00
Animal keeper	1,800.00
	\$22,300.00
University overhead (14%)	3, 122.00
	\$25, 422.00

Downgraded to CONFIDENTIAL. by otheris of: desc: Jun 1977

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